CLAIMS

The following claims replace all previous versions of the claims:

1. (Previously presented) A peptide comprising a compound having the general structural formula:

 X_1 Trp Gly Gln X_2 or pharmaceutically acceptable salts, or ethers, or amides thereof, wherein X_1 is absent or comprises no less than 1 amino acid, and X_2 is absent or comprises no less than 1 aminoacid.

- 2. (Previously presented) The peptide of claim 1, comprising up to 30 aminoacid residues.
- 3. (Currently amended) The peptide of claim 1, wherein X₁ is selected from the group consisting of 0 aminoacid, His-Gly-Val-Ser-Gly- (SEQ ID NO 13), His-Gly-Gly-Gly- (SEQ ID NO 14), His-Val-Gly-Gly- (SEQ ID NO 15), His-Gly-Gly-Gly-Gly-(SEQ ID NO 17) and His-Gly-Gly-Gly-.
- 4. (Currently amended) The peptide of claim 1, wherein X_2 is selected from the group consisting of 0 aminoacid, -His-Gly-Thr-His-Gly- (SEQ ID NO 18), -Gly-Gly-Thr-His-Gly- (SEQ ID NO 19), -Pro-His-Val-Gly-Gly- (SEQ ID NO 20), -Pro-His-Gly-Gly-Gly-Gly-Gly-Trp-Gly- (SEQ ID NO 21), -Gly-Gly-Gly-Thr-His-Ser (SEQ ID NO 23).

- 6. (Previously presented) A protein comprising the aminoacid sequences of claim 1.
- 7. (Previously presented) The peptide of claim 1, having antiproliferative and cytotoxic activity.
 - 8. (Previously presented) The peptide of claim 1, having antitumoral activity.
 - 9. (Previously presented) The peptide of claim 1, having antiviral activity.
- 10. (Previously presented) The peptide of claim 1, having immunomodulating activity.
 - 11. (Previously presented) The protein of claim 6, having antitumoral activity.
 - 12. (Previously presented) The protein of claim 6, having antiviral activity.
- 13. (Previously presented) The protein of claim 6, having immunomodulatory activity.
- 14. (Previously presented) A chemical compound having anti-proliferative, cytotoxic, antitumoral or antiviral activity, comprising the aminoacid sequence as defined in claim 1, wherein the chemical compound is not a natural peptide or protein.
- 15. (Previously presented) A pharmaceutical composition comprising the peptide of claim 1.

- 16. (Previously presented) A pharmaceutical composition comprising the protein of claim 6.
- 17. (Previously presented) A pharmaceutical composition comprising the chemical compounds of claim 14.
 - 18. (Original) A nucleotide sequence coding any one of the peptides of claim 1.
- 19. (Previously presented) A vector suitable for the expression of the peptides of claim 1 in a host cell which expresses said peptide after transformation.
 - 20. (Previously presented) A host cell transformed by the vector of claim 19.
- 21. (Previously presented) The peptide of claim 1, comprising 5 to 15 aminoacid residues.
- 22. (Previously presented) A polypeptide comprising the aminoacid sequence of claim 1.
- 23. (Previously presented) The polypeptide of claim 22, having antitumoral activity.
 - 24. (Previously presented) The polypeptide of claim 22, having antiviral activity.
- 25. (Previously presented) The polypeptide of claim 22, having immunomodulatory activity.
- 26. (Previously presented) A pharmaceutical composition comprising the polypeptide of claim 22.